Author Index of Volume 23

Kennedy, J. H., 29

Aiyer, R. C., 341	Kutty, T. R. N., 329	Qian Xuhong, 335
Almond, D. P., 211		
Angell, C. A., 143	Leggieri, G., 433	Rao, R. P., 329
Assanto, G., 408	Lendvay-Györik, G., 267	Razzini, G., 477
Atmani, H., 541	Lengyel, B., 267	Réau, J. M., 189
	Levasseur, A., 1	Ribes, M., 121
Bicelli, L. P., 477	Levy, M., 171	Rives, V., 517
Bonura, S., 408	Li Guochang, 477	Rocca, F., 85
Borromei, R., 477	Low, M. J. D., 499	Rousselot, C., 13
	Luches, A., 433	Roventi, G., 529
Chandrashekar Aiyer, R., 341		
Chen Kongchang, 335	Machida, N., 63	Schianchi, G., 422
Cigna, R., 311	Majni, G., 433	Schiraldi, A., 75
Číhal, V., 287	Malugani, J. P., 13	Shimoji, M., 99
Cino, A. C., 408	Marino, O., 416	Socino, G., 464
Colombo, P., 453	Marquez, M. C., 517	Souquet, J. L., 171
	Martin, C., 517	Sparvieri, N., 464
Dalba, G., 85	Martin, S. W., 225	Spinicci, R., 299
D'Anna, E., 433	Mascolo, G., 416	Srinivasan, G., 341
del Arco, M., 517	Mazanec, K., 287	Stamenković, I., 389
	Menetrier, M., 1	
Estevez, A. M., 517	Mengucci, P., 433	Tachez, M., 13
	Mercier, R., 13	Tena, A. F., 517
Fabbri, L., 447	Mészáros, L., 267	Trequattrini, F., 464
Fornasini, P., 85	Minami, T., 63	
Fratesi, R., 529	Montenero, A., 422	Uhu Guanghua, 335
	Morterra, C., 499	Upalekar, S. D., 341
Gillot, B., 491		.,,
Giori, D. C., 422	Nassisi, V., 433	Vautier, C., 541
Gnappi, G., 422	Nigavekar, A. S., 341	Verona, E., 464
Guglielmi, M., 453	rigavekai, A. S., 541	Vodarek, V., 287
Gusmano, G., 311	0303 24 4 400	, , , , , , , , , , , , , , , , , , , ,
	O'Shea, M. L., 499	Weber, G., 491
Hubáčková, J., 287		Webel, G., 431
	Paternò, G., 365	
Ingram, M. D., 51	Pernice, P., 416	Yin Qijun, 335
	Perrone, A., 433	
Jagannathan, R., 329	Pezzati, E., 75	Zama, M., 311
	Pizzini, S., 349	Zenezini, S., 453
Kawamura, J., 99	Poulain, M., 189	Zhu Zhenghua, 335
** * * * ** **	Decidal A 121	7inno C 400

Pradel, A., 121

Zizzo, C., 408



Subject Index of Volume 23

Alloy(s)

CN108; influence of surface finishes on corrosion behaviour of, for condenser tubes in sea water, 311

Zn; electrodeposition of, in chloride baths containing Co ions, 529

Aluminium

determination of elastic properties of ceramic Al:YIG systems by ultrasonic techniques, 464

Amorphous materials

Bi effects on crystallization of amorphous Se. 541

electrolytic oxidation of hydrogenated amorphous Si films, 341

and vitreous materials as electrodes in electrochemical cells, 171

Annealing

isothermal; influence of, in 400-950 °C range on corrosion behaviour of 08Cr18Ni10Ti steel in boiling 65% nitric acid and on nature of precipitation, 287

Aromatic compounds

photoelectric sensitizing effects of 1,8naphthalimides and 7H-benzimidazo-[2,1-a]benz[d,e]isoquinolin-7-ones derivatives on ZnO, 335

Ball clay

and wollastonite; effect of addition of, on properties of sintered zircon, 416

Bismuth effects

on crystallization of amorphous Se, 541 Boron

borate based Li conducting glasses, 1 sensitized luminescence of Sm³⁺ in GdBO₃, 329

Calcination

evolution during, of Mo-Fe oxidation catalysts doped with Cr, 517

Catalysts

evolution during calcination of Mo-Fe oxidation, doped with Cr, 517

properties of, for propylene metathesis by means of temperature programmed reaction method, 299

Ceramics

ceramic synthesis through tailoring of powder parameters, 389

determination of elastic properties of ceramic Al: YIG systems by ultrasonic techniques, 464

electronic; role of extended defects on physical properties of, 349

high temperature superconductivity in, 365

Chromium

evolution during calcination of Mo-Fe oxidation catalysts doped with, 517

influence of isothermal annealing in 400— 950 °C range on corrosion behaviour of 08Cr18Ni10Ti steel in boiling 65% nitric acid and on nature of precipitation. 287

Cobalt ions

chloride baths containing; electrodeposition of Zn alloys in, 529

Conduction

borate based Li conducting glasses, 1 correlation of mechanical and electrical relaxation phenomena in superionic conducting glasses, 143

ionically conductive glasses based on SiS₂, 29

ionic, in glass; new mechanism, 51 lithium chalcogenide conductive glasses, 121 recent advances in study of fast ionically conducting glasses using NMR tech-

niques, 225

Conductivity developments in understanding of ionic conductivities of glasses, 211

electrical, as method to study reaction between Si and Cu(I) chloride, 491

glass transition and AC, of Ag*-conducting glasses, 99

high temperature superconductivity in ceramic materials, 365

ionic, in F-containing glasses, 189 preparation of Cu⁺ ion-conducting glasses and mixed-anion effect in, of glasses, 63

Copper

electrical conductivity as method to study reaction between Si and Cu(I) chloride, 491 ì

preparation of Cu⁺ ion-conducting glasses and mixed-anion effect in conductivity of glasses, 63

Corrosion behaviour

influence of isothermal annealing in 400— 950 °C range on, of 08Cr18Ni10Ti steel in boiling 65% nitric acid and on nature of precipitation. 287

influence of surface finishes on, of CN108 alloy for condenser tubes in sea water,

Crystallization

Bi effects on, of amorphous Se, 541 and properties of manganese—sodiumdisilicate glasses, 422

Defects

extended, on physical properties of electronic ceramics; role of, 349

Doping

evolution during calcination of Mo-Fe oxidation catalysts doped with Cr, 517

Elastic properties

determination of, of ceramic Al:YIG systems by ultrasonic techniques, 464

Electrochemical cells

amorphous and vitreous materials as electrodes in, 171

Electrodeposition

of Zn alloys in chloride baths containing Co ions, 529

Electrodes

amorphous and vitreous materials as, in electrochemical cells, 171

surface investigation of NiNb₂O₆ electrodes for water photoelectrolysis, 477

Electrolytic oxidation

of hydrogenated amorphous Si films, 341

Electron beams

and pulsed laser beams; silicon carbide formation with, 433

Electronic ceramics

role of extended defects on physical properties of, 349

Films

electrolytic oxidation of hydrogenated amorphous Si films, 341

Fluorine

ionic conductivity in F-containing glasses, 189

Gadolinium

sensitized luminescence of Sm³⁺ in GdBO₃,

Glasses

Ag*-conducting; glass transition and AC conductivity of, 99

AgI-Ag oxysalt: review of thermodynamic and transport properties, 75

Ag superionic; microstructure of, 13

borate based Li conducting, 1

Cu⁺ ion-conducting; preparation and mixedanion effect in conductivity of, 63

developments in understar ling of ionic conductivities of, 211

EXAFS studies of the local structure in silver iodide containing, 85

fast ionically conducting; recent advances in study of, using NMR techniques, 225

F-containing; ionic conductivity in, 189 ionically conductive, based on SiS₂, 29 lithium chalcogenide conductive, 121

manganese—sodium-disilicate; crystallization and properties of, 422

mechanism, new, of ionic conduction in glass, 51

superionic conducting; correlation of mechanical and electrical relaxation phenomena in, 143

H₂O/TEOS ratio

influence of, on preparation of SiO₂ thin coatings by sol-gel dipping method, 453

Impedance method

coverage of phosphated steel surfaces by, 267

Iron

coverage of phosphated steel surfaces by impedance method, 267

evolution during calcination of Mo-Fe oxidation catalysts doped with Cr, 517

influence of isothermal annealing in 400– 950 °C range on corrosion behaviour of 08Cr18Ni10Ti steel in boiling 65% nitric acid and on nature of precipitation. 287

Laser

silicon carbide formation with pulsed laser and electron beams, 433

Lithium

borate based Li conducting glasses, 1 lithium chalcogenide conductive glasses, 121 Ti-indiffused LiNbO₃ optical waveguides: range of different technologies, 408

Luminescence

sensitized, of Sm3+ in GdBO3, 329

Manganese

crystallization and properties of manganese
-sodium-disilicate glasses, 422

fetathesis

propylene; properties of catalysts for, by means of temperature programmed reaction method, 299

Microstructure

of Ag superionic glasses, 13

Molybdenum

evolution during calcination of Mo-Fe oxidation catalysts doped with Cr, 517

Nickel

influence of isothermal annealing in 400— 950 °C range on corrosion behaviour of 08Cr18Ni10Ti steel in boiling 65% nitric acid and on nature of precipitation, 287

surface investigation of NiNb₂O₆ electrodes for water photoelectrolysis, 477

Niobium

surface investigation of NiNb₂O₆ electrodes for water photoelectrolysis, 477

Ti-indiffused LiNbO₃ optical waveguides: range of different technologies, 408

Phosphorus

coverage of phosphated steel surfaces by impedance method, 267

Photoelectric sensitizing effects

of 1,8-naphthalimides and 7H-benzimidazo-[2,1-a]benz[d,e]isoquinolin-7-ones derivatives on ZnO, 335

Photoelectrolysis

water; surface investigation of NiNb₂O₆ electrodes for, 477

Photothermal deflection method

applied to determination of thermal diffusivity of solids, 447

Powder parameters

ceramic synthesis through tailoring of, 389

Propylene metathesis

properties of catalysts for, by means of temperature programmed reaction method, 299

PVBr

spectroscopic studies of carbons: vacuum pyrolysis of non-oxygen-containing materials, 499

Pyrolysis

vacuum, of non-oxygen-containing materials, PVBr; spectroscopic studies of carbons, 499 Relaxation phenomena

mechanical and electrical; correlation of, in superionic conducting glasses, 143

Samarium

sensitized luminescence of Sm³⁺ in GdBO₃, 329

Sea water

influence of surface finishes on corrosion behaviour of CN108 alloy for condenser tubes in, 311

Selenium

amorphous; Bi effects on crystallization of, 541

Silicon

crystallization and properties of manganese
-sodium-disilicate glasses, 422

electrical conductivity as method to study reaction between Si and Cu(I) chloride, 491

electrolytic oxidation of hydrogenated amorphous Si films, 341

influence of H₂O/TEOS ratio on preparation of SiO₂ thin coatings by sol-gel dipping method, 453

ionically conductive glasses based on SiS₂, 29 silicon carbide formation with pulsed laser

and electron beams, 433

Silver

AgI-Ag oxysalt glasses: review of thermodynamic and transport properties, 75

EXAFS studies of local structure in silver iodide containing glasses: results and perspectives. 85

glass transition and AC conductivity of Ag*-conducting glasses, 99

microstructure of Ag superionic glasses, 13 Sintered zircon

effect of addition of ball clay and wollastonite on properties of, 416

Sodium

crystallization and properties of manganese
-sodium-disilicate glasses, 422

Sol-gel dipping method

influence of H₂O/TEOS ratio on preparation of SiO₂ thin coatings by, 453

Spectroscopy

EXAFS studies of local structure in silver iodide containing glasses: results and perspectives, 85

recent advances in study of fast ionically conducting glasses using NMR techniques, 225

9

spectroscopic studies of carbons: vacuum pyrolysis of non-oxygen-containing materials, PVBr, 499

Steel

coverage of phosphated, surfaces by impedance method, 267

influence of isothermal annealing in 400– 950 °C range on corrosion behaviour of 08Cr18Ni10Ti steel in boiling 65% nitric acid and on nature of precipitation, 287

Superconductivity

high temperature, in ceramic materials, 365 Surfaces

coverage of phosphated steel surfaces by impedance method, 267

influence of surface finishes on corrosion behaviour of CN108 alloy for condenser tubes in sea water, 311

surface investigation of NiNb₂O₆ electrodes for water photoelectrolysis, 477

Synthesis

ceramic, through tailoring of powder parameters, 389

Thermal diffusivity

photothermal deflection method applied to determination of, of solids, 447

Thermodynamic properties

and transport properties, review; Agl-Ag oxysalt glasses, 75

Titanium

-indiffused LiNbO₃ optical waveguides: range of different technologies, 408

influence of isothermal annealing in 400— 950 °C range on corrosion behaviour of 08Cr18Ni10Ti steel in boiling 65% nitric acid and on nature of precipitation, 287

Transport properties

and thermodynamic properties, review; Agl-Ag oxysalt glasses, 75 Ultrasonic techniques

determination of elastic properties of ceramic Al: YIG systems by, 464

Vacuum pyrolysis

of non-oxygen-containing materials, PVBr; spectroscopic studies of carbons, 499

Vitreous materials

and amorphous materials as electrodes in electrochemical cells, 171

Water

influence of H₂O/TEOS ratio on preparation of SiO₂ thin coatings by sol-gel dipping method, 453

sea; influence of surface finishes on corrosion behaviour of CN108 alloy for condenser tubes in, 311

surface investigation of NiNb₂O₆ electrodes for water photoelectrolysis, 477

Waveguides

Ti-indiffused LiNbO₃ optical: range of different technologies, 408

Wollastonite

and ball clay; effect of addition of, on properties of sintered zircon, 416

Zinc

electrodeposition of Zn alloys in chloride baths containing Co ions, 529 photoelectric sensitizing effects of 1,8-

naphthalimides and 7H-benzimidazo-[2,1-a]benz[d,e]isoquinolin-7-ones derivatives on ZnO, 335

Zircon

sintered; effect of addition of ball clay and wollastonite on properties of, 416

